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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/621,384	07/21/2000	Youn-Man Lee	P2014	4446

33942 7590 12/30/2003

CHA & REITER, LLC
210 ROUTE 4 EAST
PARAMUS, NJ 07652

EXAMINER

MEHRPOUR, NAGHMEH

ART UNIT	PAPER NUMBER
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2686

DATE MAILED: 12/30/2003

14

Please find below and/or attached an Office communication concerning this application or proceeding.

TS

Office Action Summary

Application No.
09/621,384

Applicant(s)
Youn-Mag

Examiner
Naghmeh Mehrpour

Art Unit
2686



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Nov 17, 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) ☐ Other:

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Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. **Claims 1-6**, are rejected under 35 U.S.C. 103(a) as being unpatentable over Son et al.

(US Patent Number 6,278,887 B1) in view of Spitaletta et al. (US Patent Number 6,278,887 B1).

Regarding **Claims 1, 3**, Son teaches a battery saving method of controlling the display of a portable telephone having a answer key and a display configured to be supplied with power (col 4 lines 32-38), comprising the steps of checking whether a user of the telephone activates the answer key to originate a call from the telephone, in response to an incoming call (col 7 lines 38-41, lines 49-53); deactivating the power supplied to the display in response to the call being originated from the telephone due to the activation of the answer key (col 6 lines 11-20, col 7 lines 45-55). Son does not mention specifically that Send key is for originating to establish a call in response to the incoming call. However Spitaletta teaches that Send key is the key for originating to establish a call in response to the incoming call (Col 3 lines 39-40, col 7 lines 35-43). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the above teaching of Spitaletta with Son, in order to conserve energy and save power.

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Regarding **Claim 2**, Son teaches a battery saving method further comprising the step of deactivating the power supplied to the display after the expiration of a predetermined time period if the SEND key is activated (col 6 lines 11-20).

Regarding **Claims 4**, Son teaches a method further comprising the step of deactivating the power supplied to the display after the expiration of a predetermined time period if the request to establish the call connection is made (col 6 lines 10-19).

Regarding **Claim 5**, Son teaches a method wherein the deactivating step comprises the step of turning off a back light and a liquid crystal display (LCD) (col 6 lines 12-14), the method further comprising the step of turning on the LCD after the call has ended (col 6 lines 47-57).

Regarding **Claim 6**, Son teaches a method further comprising the step of after powering on the telephone turning on the LCD and turning off the back light (col 6 lines 10-19).

Response to Arguments

3. Applicant's arguments filed 04/17/03 have been fully considered but they are not persuasive.

In response to the applicant's argument that Son does not disclose step of checking whether a SEND key is entered for the purpose of saving battery power consumption by controlling the display during a call connection, as in the subject of invention.

Examiner disagrees with the applicant, Son detect the incoming call, and then activates the SEND key. Detecting the incoming call and activating the Send key (timer is reset). Another word, Son'S system has to be able to check if the Send key is pressed, in order to reset the timer,

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then after the timer T1 is expired, Son deactivates the power supply to the display in response to the originating call from the telephone. If the call is not originated, the timer never resets and the deactivation of the power supply to the display has never been occurred. Therefore, same as present application, Son does check whether a user of the telephone activates the SEND key to originate a call from the telephone, and deactivates the power supplied to the display in response to the call being originated from the telephone due to the activation of the SEND key.

In response to the applicant's argument that *Son fails to teach deactivation of the power supplied to the display in response to the call being originated from the telephone due to the activation of the SEND key*".

The Examiner states that Son does detect the incoming call and pressed the SEND key, and after predetermined time the display light is turned off for the purpose of saving power consumption (col 7 lines 38-50). *Therefore, Son does teaches deactivation of the power supplied to the display in response to the call being originated from the telephone due to the activation of the SEND key*".

In response to the applicant's argument that there is not discussion of that user "originating a phone call from that telephone".

Examiner emphasizes that "originating a call from a telephone" is an ordinary action, and usually any cellular phone is able to ordinales a call from the telephone by pressing a send key or an answer key from a cellular phone. The Examiner does not see any novelty by originating a call

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from the telephone, in addition, Son does inherently teaches the originating a call from the telephone.

In response to the applicant's argument that *when a call is set up according to a SEND key input by a user, the back light and LCD are turned off, and Son does not teach the above features.*

Examiner disagrees with the applicant, Son teaches when an incoming call is detected, and the Send key is pressed a back light is turned on for a predetermined time, and after the predetermined time the back light is turned off (col 6 lines 11-20). Therefore, Son does teach the applicant teaching.

The Examiner states that Son does detect the incoming call and pressed the originating key, and after predetermined time the display light is turned off for the purpose of saving power consumption (col 7 lines 38-50).

In response to applicant's argument that *Spitaletta fails to disclose deactivating the telephone's display power in response to call origination from that telephone*, the test for obviousness is not whether the features of a secondary reference may be bodily incorporated into the structure of the primary reference; nor is it that the claimed invention must be expressly suggested in any one or all of the references. Rather, the test is what the combined teachings of the references would have suggested to those of ordinary skill in the art. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981). In this instance Son teaches a battery saving method of controlling the display of a portable telephone having a answer key and a display configured to

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be supplied with power (col 4 lines 32-38), comprising the steps of checking whether a user of the telephone activates the answer key to originate a call from the telephone, in response to an incoming call (col 7 lines 38-41, 49-53); deactivating the power supplied to the display in response to the call being originated from the telephone due to the activation of the answer key (col 6 lines 11-20, col 7 lines 45-55). Spitaletta teaches that the Send key is the key for originating to establish a call in response to the incoming call (Col 3 lines 39-40, col 7 lines 35-43). Therefore, the combination more than adequately provides supports for the claimed limitation.

Conclusion

4. Any responses to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9306, (for formal communications indented for entry)

Or:

(703) 308-6306, (for informal or draft communications, please label

“PROPOSED” or “DRAFT”)

Hand-delivered responses should be brought to Crystal Park II. 2121 Crystal
Drive, Arlington. Va., sixth Floor (Receptionist).

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Melody Mehrpour whose telephone number is (703) 308-7159. The examiner can normally be reached on Monday through Thursday (first week of bi-week) and Monday through Friday (second week of bi-week) from 6:30 a.m. to 5:00 p.m.

If attempt to reach the examiner are unsuccessful the examiner's supervisor, Marsha Banks-Harold be reached (703)305-4379.

NM

Dec 22, 2003

Marsha D Banks-Harold
MARSHA D. BANKS-HAROLD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600